

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) A base station for use in a multi-network connection communication system comprising:

connection decision means for making a decision as to whether a mobile station is to be connected to a carrier network or a private network; and

means for connecting said mobile station to said carrier network or said private network in accordance with the decision result,

wherein said base station further comprises:

means for broadcasting characteristics of a private network service offered by said base station;

~~means for receiving a signal from a mobile station or the carrier network; and~~

means for ~~managing registration~~ registering and managing addresses of mobile stations that use the base station as the private network; and

means for receiving a packet from a mobile station or the carrier network, the packet having a terminating address,

wherein said connection decision means decides ~~based on the registration of mobile stations,~~ whether the terminating address of said packet is registered in said means for registering and managing, and decides ~~whether the signal~~ said packet is to be transmitted to a mobile station

or the carrier network based on said characteristics of the private network service and whether the terminating address of said packet is registered, and

said means for connecting transmits ~~the signal~~ said packet to the mobile station or the carrier network based on the decision result of said connection decision means.

Claims 2-7. (Cancelled).

Claim 8. (Currently Amended) A connecting method for use in a base station for use in a multi-network connection communication system, ~~the base station comprising means for managing registration of mobile stations that use the base station as a private network, said method comprising:~~

a connection decision step of making a decision as to whether ~~[[the]]~~ a mobile station is to be connected to a carrier network or a private network; and

a step of connecting said mobile station to said carrier network or said private network in accordance with the decision result,

wherein said method further comprises:

a step of broadcasting characteristics of a private network service offered by said base station;

~~a step of receiving a signal from a mobile station or the carrier network~~

a step of registering addresses of mobile stations that use the base station as the private network in a means for registering and managing the addresses; and

a step of receiving a packet from a mobile station or the carrier network, the packet having a terminating address,

wherein said connection decision step decides ~~based on the registration of mobile stations,~~ whether the terminating address of said packet is registered in said means for registering and managing, and decides ~~whether the signal~~ said packet is to be transmitted to a mobile station or the carrier network based on said characteristics of the private network service and whether the terminating address of said packet is registered, and said step of connecting transmits ~~the signal~~ said packet to the mobile station or the carrier network based on the decision result of said connection decision step.

Claims 9-14. (Cancelled).

Claim 15. (Currently Amended) The base station as claimed in claim 1, wherein said base station further comprises service area decision means for making a decision of a service area based on ~~the signal~~ said packet, and

said connection decision means decides ~~based on the registration of mobile stations and the decision result of said service area decision means,~~ whether said packet is to be transmitted to a mobile station or the carrier network based on said characteristics of the private network service, whether the terminating address of said packet is registered, and the decision result of said service area decision means.

Claim 16. (Currently Amended) The base station as claimed in claim 1, wherein said connection decision means decides to transmit said packet ~~transmits the signal~~ to the carrier network, if the terminating address of said packet ~~a mobile station which is a destination of the signal~~ is not registered in said means for registering and managing.

Claim 17. (Currently Amended) The base station as claimed in claim 1, wherein said means for receiving receives a packet ~~[[signal]]~~ from a mobile station.

Claim 18. (Currently Amended) The base station as claimed in claim 1, wherein said means for receiving receives a packet ~~[[signal]]~~ from the carrier network.

Claim 19. (Currently Amended) The base station as claimed in claim 1, wherein said base station further comprises means for receiving a registration request for using the base station as the private network from a mobile station, and said means for registering and managing registers and manages an address registration of the mobile station that ~~[[which]]~~ transmits the registration request.

Claim 20. (Currently Amended) The method as claimed in claim 8, wherein said method further comprises a service area decision step of making a decision of a service area based on said packet ~~the signal~~, and said connection decision step decides ~~based on the registration of mobile stations and the decision result of said service area decision means~~, whether said packet is to be transmitted to a mobile station or the carrier network based on said characteristics of the private network service, whether the terminating address of said packet is registered, and the decision result of said service area decision step.

Claim 21. (Currently Amended) The method as claimed in claim 8, wherein said connection decision step decides to transmit said packet ~~transmits the signal~~ to the carrier

network, if the terminating address of said packet ~~a mobile station which is a destination of the~~
~~signal~~ is not registered in said means for registering and managing.

Claim 22. (Currently Amended) The method as claimed in claim 8, wherein said step
of receiving receives a packet ~~[[signal]]~~ from a mobile station.

Claim 23. (Currently Amended) The method as claimed in claim 8, wherein said step
of receiving receives a packet ~~[[signal]]~~ from the carrier network.

Claim 24. (Currently Amended) The method as claimed in claim 8, wherein
said method further comprises a step of receiving a registration request for using the base
station as the private network from a mobile station, and
said means for registering and managing registers and manages an address registration of
the mobile station that ~~[[which]]~~ transmits the registration request.

Claim 25. (Currently Amended) A multi-network connection communication system
comprising:

connection decision means for making a decision as to whether a mobile station is to be
connected to a carrier network or a private network; and

means for connecting said mobile station to said carrier network or said private network
in accordance with the decision result,

wherein said system further comprises:

means for broadcasting characteristics of a private network service offered by said
base station;

~~means for receiving a signal from a mobile station or the carrier network; and~~

means for ~~managing registration~~ registering and managing addresses of mobile stations that use the base station as the private network; and

means for receiving a packet from a mobile station or the carrier network, the packet having a terminating address,

wherein said connection decision means decides ~~based on the registration of mobile stations,~~ whether the terminating address of said packet is registered in said means for registering and managing, and decides whether the signal said packet is to be transmitted to a mobile station or the carrier network based on said characteristics of the private network service and whether the terminating address of said packet is registered, and

said means for connecting transmits ~~the signal~~ said packet to the mobile station or the carrier network based on the decision result of said connection decision means.